

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E80559

Employer : Google Inc.

Worksite : Google Inc.

Street : 747 6th St S

Jurisdiction : City of Kirkland

Survey Date : 9/26/2017

Survey Type : Online

Response Rate : 56%

Drive Alone & One-Way VMT Rates at this Worksite

Employees and Survey Response Information

Drive Alone : 70.4%

Reported Total Employees at Worksite: 1,846

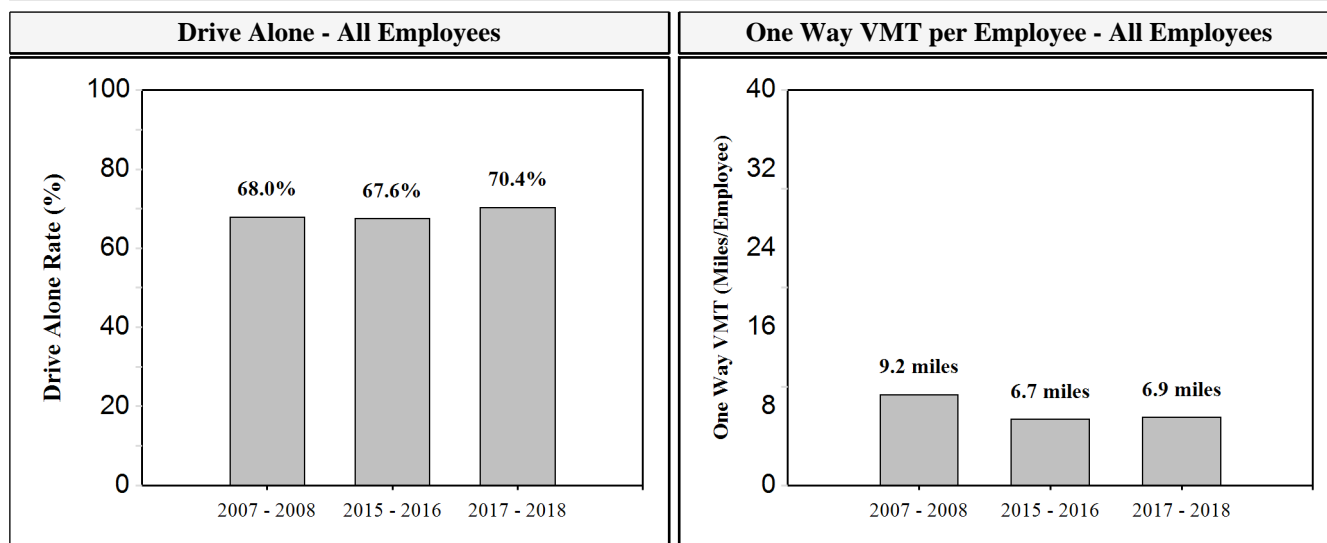
Surveys Distributed : 1,663

One-Way VMT per employee : 6.9

Surveys Returned : 927

Surveys Returned by CTR Affected Employees : 645

Total Estimated CTR - Affected Employees at Worksite : 1,157



Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	68.0%	70.1%	9.2	9.5
2009 - 2010	71.7%	70.1%	6.6	7.1
2011 - 2012	65.3%	67.9%	7.5	8.0
2013 - 2014	69.0%	68.9%	7.2	7.3
2015 - 2016	67.6%	68.8%	6.7	6.8
2017 - 2018	70.4%	72.5%	6.9	7.2
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	3.5%	3.4%	-25.0%	-24.2%

Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2015 - 2016	2017 - 2018	2017 - 2018 Without Fill In
Drive Alone - All Employees*	68.0%	67.6%	70.4%	62.7%
Drive Alone - CTR Affected Employees*	70.1%	68.8%	72.5%	62.2%
VMT/Employee - All Employees	9.2	6.7	6.9	6.2
VMT/Employees - CTR Affected Employees	9.5	6.8	7.2	6.3

* Drive alone rate includes one person motorcycles.

GHG Emissions: Total for Drive Alone, Carpools, Vanpools

Annual Greenhouse Gas Emissions (Metric Tons CO₂e) for Roundtrip Commute*

Value	2007 - 2008	2015 - 2016	2017 - 2018
Emissions for Surveyed Employees	330	1,071	1,251
Estimated Emissions for Total Employment	520	1,537	2,491

* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

Bus Transit Passenger Miles and Rail Transit Passenger Miles*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2015 - 2016	2017 - 2018
Bus Annual Passenger Miles - Estimated for Total Employment	216,925	487,318	1,336,807
Bus Annual Passenger Miles - Surveyed Employees	137,500	339,500	671,300
Ferry Annual Passenger Miles - Estimated for Total Employment	0	8,325	31,464
Ferry Annual Passenger Miles - Surveyed Employees	0	5,800	15,800
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	0	18,660	1,991
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	0	13,000	1,000

* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO₂e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO₂e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO₂e emissions per passenger mile for train/light rail/streetcar.

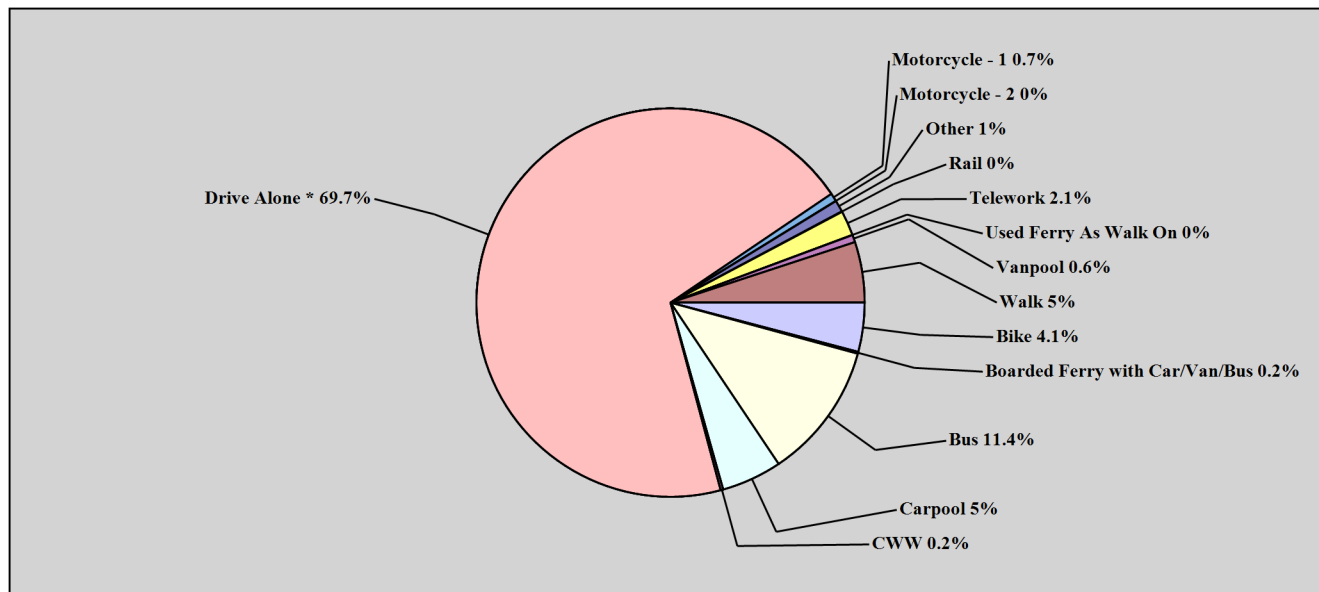
Q3.

One way, how many miles do you commute from home to your usual work location?
Average one-way distance home to work: 9.3 miles

Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



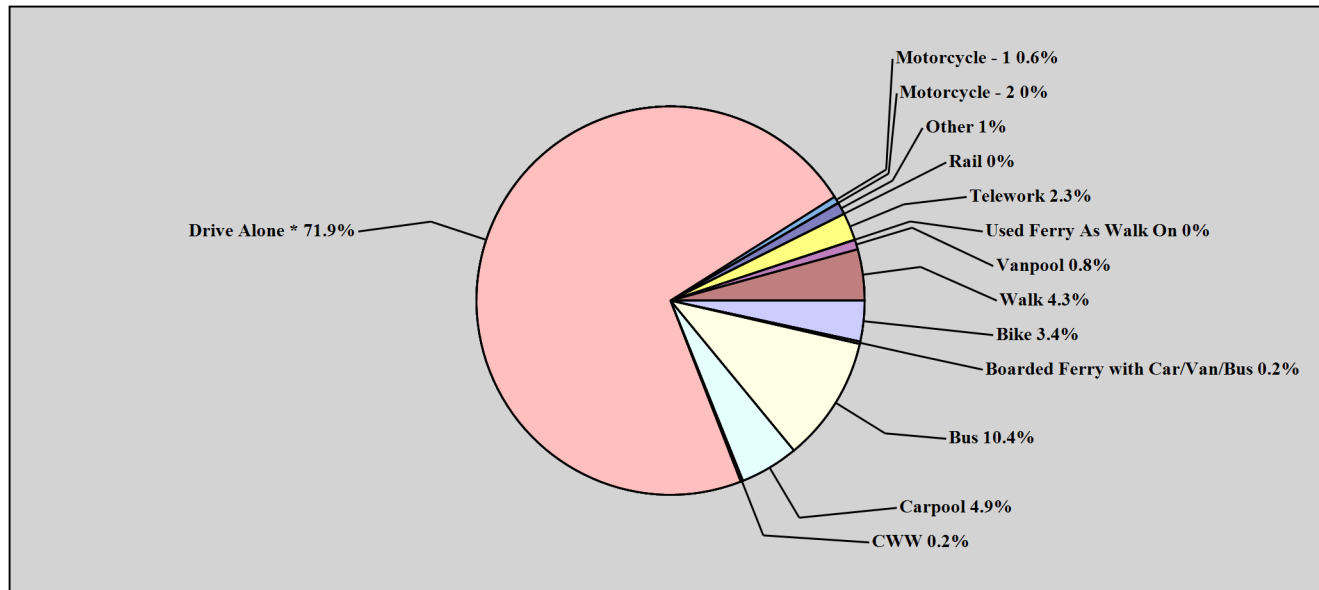
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	3,993	69.7%	66.3%	662	71.4%	75.2%
Carpool	288	5.0%	7.3%	88	9.5%	11.0%
Vanpool	35	0.6%	0.4%	10	1.1%	0.5%
Motorcycle - 1	39	0.7%	1.3%	16	1.7%	1.7%
Motorcycle - 2	1	0.0%	0.1%	1	0.1%	0.4%
Bus	651	11.4%	10.3%	177	19.1%	14.6%
Rail	2	0.0%	0.2%	2	0.2%	0.3%
Bike	234	4.1%	4.3%	74	8.0%	7.0%
Walk	289	5.0%	6.0%	72	7.8%	7.8%
Telework	119	2.1%	2.6%	84	9.1%	7.9%
CWW	12	0.2%	0.1%	11	1.2%	0.1%
Boarded Ferry with Car/Van/Bus	9	0.2%	0.1%	4	0.4%	0.3%
Used Ferry As Walk On	1	0.0%	0.0%	1	0.1%	0.0%
Other	56	1.0%	1.1%	24	2.6%	2.1%

* Drive alone mode includes fill-in, where applicable.

Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	3,125	71.9%	67.7%	459	71.2%	75.9%
Carpool	212	4.9%	6.8%	66	10.2%	10.5%
Vanpool	35	0.8%	0.5%	10	1.6%	0.5%
Motorcycle - 1	25	0.6%	1.0%	10	1.6%	1.5%
Motorcycle - 2	1	0.0%	0.1%	1	0.2%	0.4%
Bus	454	10.4%	9.9%	120	18.6%	13.6%
Rail	1	0.0%	0.2%	1	0.2%	0.4%
Bike	147	3.4%	4.1%	47	7.3%	6.5%
Walk	185	4.3%	5.1%	46	7.1%	6.4%
Telework	99	2.3%	3.2%	65	10.1%	9.3%
CWW	8	0.2%	0.1%	8	1.2%	0.2%
Boarded Ferry with Car/Van/Bus	9	0.2%	0.1%	4	0.6%	0.2%
Used Ferry As Walk On	1	0.0%	0.0%	1	0.2%	0.0%
Other	43	1.0%	1.1%	17	2.6%	2.0%

* Drive alone mode includes fill-in, where applicable.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	478	52%	927	100%
1 Days	82	9%	449	48%
2 Days	37	4%	367	40%
3 Days	47	5%	330	36%
4 Days	57	6%	283	31%
5 Days	199	21%	226	24%
6 or More Days	27	3%	27	3%

Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	413	44.9%	146	15.9%	125	13.6%	55	6%	0	0%	7	0.8%	103	11.2%	8	0.9%	328	35.7%
4 days a week (4/10s)	0	0%	4	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
3 days a week	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
9 days in 2 weeks (9/80)	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
7 days in 2 weeks	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Other	0	0%	1	50%	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	1	50%

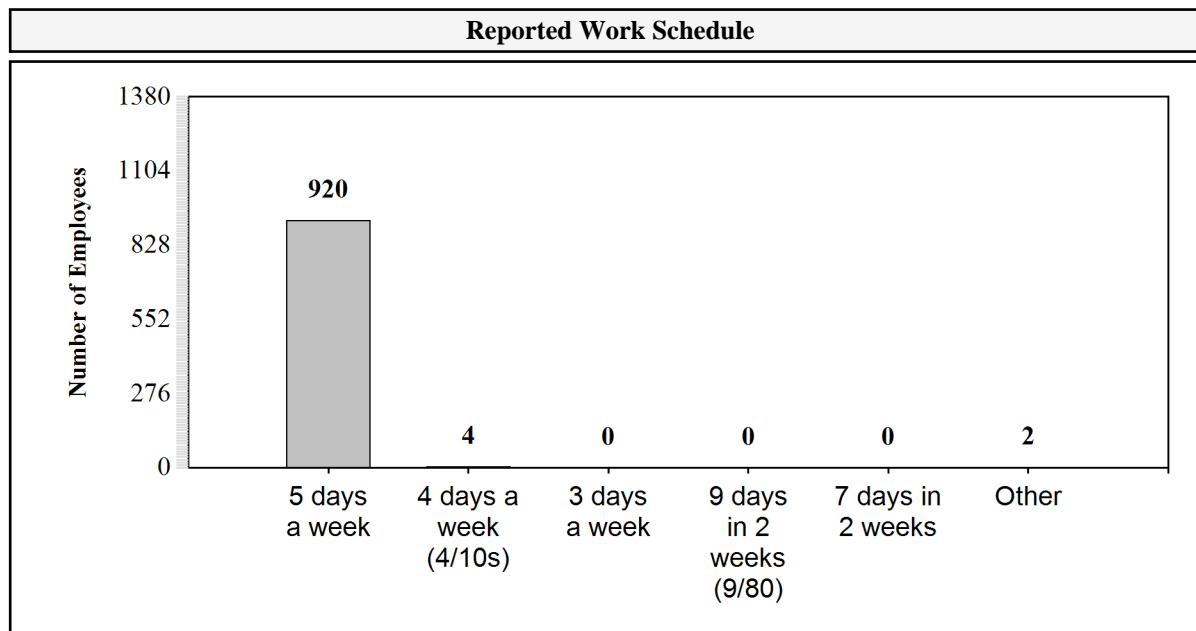
Count by Occupancy of Carpools, Vanpools, and Motorcycles

Q.4b If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	39
2	Motorcycle	1
2	Carpool	262
3	Carpool	10
4	Carpool	6
5	Carpool	5
>5	Carpool	5
<5	Vanpool	12
5	Vanpool	0
6	Vanpool	0
7	Vanpool	0
8	Vanpool	5
9	Vanpool	0
10	Vanpool	4
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
15	Vanpool	14

Reported Work Schedule - All Employees

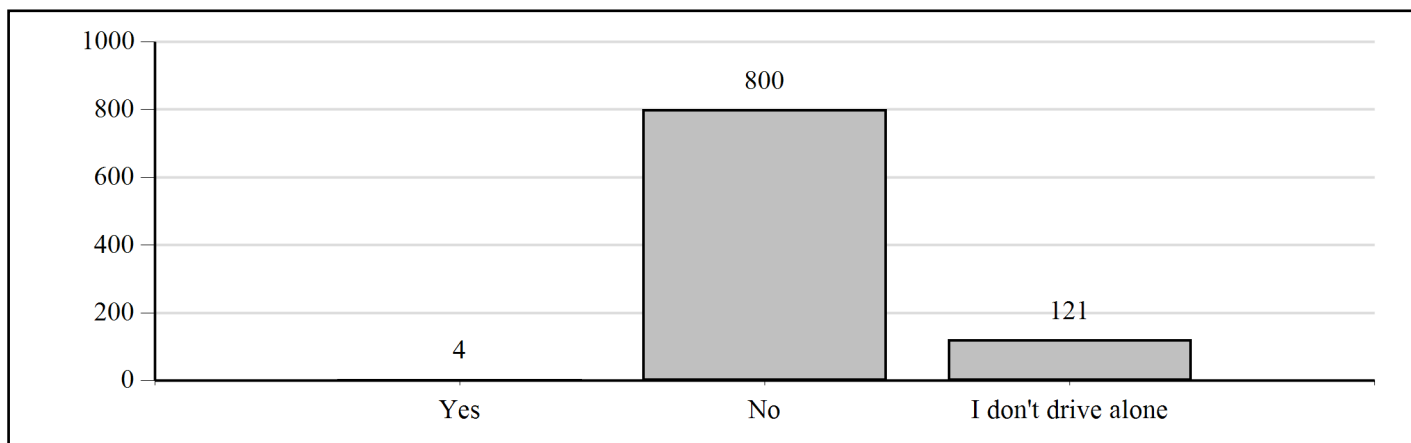
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	920	99.4%
4 days a week (4/10s)	4	0.4%
3 days a week	0	0%
9 days in 2 weeks (9/80)	0	0%
7 days in 2 weeks	0	0%
Other	2	0.2%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	3	0.3%
I don't telework	202	21.8%
Occasionally, on an as-needed basis	521	56.2%
1-2 days/month	133	14.3%
1 day/week	55	5.9%
2 days/week	7	0.8%
3 days/week	6	0.6%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Personal health or well-being	328	16.8%
Free or subsidized bus, train, vanpool pass or fare benefit	321	16.4%
Environmental and community benefits	263	13.4%
I have the option of teleworking	256	13.1%
To save time using the HOV lane	148	7.6%
Driving myself is not an option	143	7.3%
To save money	139	7.1%
Cost of parking or lack of parking	104	5.3%
Other	94	4.8%
Financial incentives for carpooling, bicycling or walking.	65	3.3%
Emergency ride home is provided	52	2.7%
Preferred/reserved carpool/vanpool parking is provided	37	1.9%
I receive a financial incentive for giving up my parking space	8	0.4%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	644	31.8%
I like the convenience of having my car	510	25.2%
Family care or similar obligations	352	17.4%
My commute distance is too short	170	8.4%
Other	155	7.7%
Bicycling or walking isn't safe	141	7.0%
I need more information on alternative modes	41	2.0%
My job requires me to use my car for work	5	0.2%
There isn't any secure or covered bicycle parking	4	0.2%

Employee Transit Use - All Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	2	0	0	34	1	1	13	0	3	0
2	6	2	1	43	0	0	26	0	5	1
3	3	0	0	9	0	0	1	0	0	1
4	0	0	0	13	0	0	5	0	0	4
5	1	0	0	18	0	1	7	0	0	5
6	1	0	0	12	0	0	0	0	0	0
7	0	0	0	2	0	0	0	0	0	0
8	0	0	0	14	0	0	0	0	0	1
9	0	0	0	1	0	0	0	0	0	1
10	2	0	0	39	0	0	5	0	0	4
11 or more	0	0	0	15	0	0	2	0	0	0
# Of Employees using Transit	15	2	1	200	1	2	59	0	8	17
Total One-Way Transit Trips Per Week	54	4	2	1104	1	6	200	0	13	103

Employee Transit Use - Affected Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	2	0	0	23	0	0	6	0	2	0
2	4	0	1	24	0	0	19	0	3	0
3	1	0	0	6	0	0	1	0	0	0
4	0	0	0	8	0	0	3	0	0	3
5	1	0	0	12	0	1	4	0	0	5
6	1	0	0	6	0	0	0	0	0	0
7	0	0	0	1	0	0	0	0	0	0
8	0	0	0	7	0	0	0	0	0	1
9	0	0	0	1	0	0	0	0	0	1
10	2	0	0	26	0	0	4	0	0	4
11 or more	0	0	0	12	0	0	1	0	0	0
# Of Employees using Transit	11	0	1	126	0	1	38	0	5	14
Total One-Way Transit Trips Per Week	44	0	2	724	0	5	134	0	8	94

Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
06441	1	0.11%	0	0	0	0	0	0	0	0	5	0	0	0	0
98004	50	5.39%	177	5	0	1	52	0	10	0	2	1	0	0	1
98005	16	1.73%	51	18	0	0	7	0	6	0	2	0	0	0	0
98006	20	2.16%	57	15	0	3	0	0	5	0	7	0	0	0	0
98007	8	0.86%	39	0	0	0	0	0	0	0	0	0	0	0	0
98008	12	1.29%	49	3	0	0	0	0	5	0	1	0	0	0	0
98011	22	2.37%	79	14	0	4	1	0	0	0	4	0	0	0	0
98012	20	2.16%	74	8	4	0	4	0	0	0	6	1	1	0	0
98014	3	0.32%	15	0	0	0	0	0	0	0	0	0	0	0	0
98017	1	0.11%	0	0	0	0	5	0	0	0	0	0	0	0	2
98019	3	0.32%	8	0	0	0	0	0	0	0	5	1	0	0	1
98020	2	0.22%	9	0	0	0	0	0	0	0	0	0	0	0	0
98021	19	2.05%	62	8	0	0	15	0	1	0	3	0	0	0	7
98024	2	0.22%	8	0	0	0	0	0	0	0	0	0	0	0	0
98026	4	0.43%	11	5	0	1	0	0	0	0	0	0	0	0	0
98027	6	0.65%	21	0	0	4	0	0	2	0	3	0	0	0	0
98028	26	2.80%	108	3	0	1	9	0	4	0	2	0	0	0	0
98029	13	1.40%	46	6	5	0	2	0	0	0	1	0	0	0	4
98030	1	0.11%	4	0	0	0	0	0	0	0	0	0	0	0	0
98031	1	0.11%	0	0	0	0	5	0	0	0	0	0	0	0	0
98033	187	20.17%	374	83	0	3	34	1	123	274	9	2	3	1	5
98034	79	8.52%	267	21	0	1	61	0	15	2	10	0	0	0	1
98036	2	0.22%	7	0	2	0	0	0	0	0	0	0	0	0	0
98037	4	0.43%	15	0	0	0	0	0	0	0	0	0	0	0	4
98038	2	0.22%	7	0	0	0	0	0	0	0	0	0	0	0	0
98039	4	0.43%	20	0	0	0	0	0	0	0	0	0	0	0	0



98040	6	0.65%	29	0	0	0	0	0	0	0	0	0	0	0	0
98043	1	0.11%	4	0	0	0	0	0	0	0	1	0	0	0	0
98052	95	10.25%	344	10	0	6	57	1	32	9	13	1	0	0	6
98053	16	1.73%	68	6	0	0	0	0	5	0	1	0	0	0	0
98055	1	0.11%	2	0	0	0	0	0	0	0	3	0	0	0	0
98056	6	0.65%	23	1	0	0	7	0	0	0	1	0	0	0	1
98058	4	0.43%	19	0	0	0	0	0	0	0	1	0	0	0	0
98059	4	0.43%	14	5	0	0	0	0	0	0	0	0	0	0	0
98065	4	0.43%	15	5	0	0	0	0	0	0	0	0	0	0	0
98072	18	1.94%	76	5	0	4	0	0	2	0	4	0	0	0	0
98074	35	3.78%	157	11	0	2	3	0	0	1	0	0	0	0	0
98075	9	0.97%	37	0	0	0	4	0	0	0	0	0	0	0	0
98077	13	1.40%	42	16	0	0	3	0	0	0	1	0	0	0	0
98087	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98092	1	0.11%	4	0	0	0	0	0	0	0	0	1	0	0	0
98101	10	1.08%	11	3	0	0	30	0	4	0	1	0	0	0	0
98102	18	1.94%	35	5	0	0	47	0	4	0	3	0	0	0	1
98103	28	3.02%	34	5	5	0	76	0	1	3	5	0	0	0	4
98104	4	0.43%	7	0	0	0	13	0	0	0	1	0	0	0	0
98105	12	1.29%	26	3	0	0	28	0	1	0	0	0	0	0	4
98107	13	1.40%	16	5	5	4	32	0	1	0	1	0	0	0	0
98108	1	0.11%	0	0	0	0	0	0	0	0	0	0	0	0	0
98109	10	1.08%	15	2	4	0	25	0	2	0	2	0	0	0	2
98110	1	0.11%	0	0	0	0	0	0	0	0	0	0	5	0	0
98112	8	0.86%	17	6	0	0	15	0	0	0	0	1	0	0	0
98115	13	1.40%	41	3	4	0	6	0	7	0	2	0	0	0	2
98116	2	0.22%	0	2	1	0	8	0	0	0	0	0	0	0	0
98117	9	0.97%	19	1	5	0	16	0	0	0	3	0	0	0	0
98118	2	0.22%	9	0	0	0	1	0	0	0	0	0	0	0	0
98119	4	0.43%	7	0	0	0	8	0	0	0	2	0	0	0	0
98121	10	1.08%	23	0	0	0	18	0	0	0	1	1	0	0	5
98122	12	1.29%	20	2	0	1	32	0	2	0	3	0	0	0	1
98125	4	0.43%	14	0	0	0	2	0	1	0	1	0	0	0	0
98126	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98133	8	0.86%	24	3	0	4	5	0	0	0	3	0	0	0	0
98144	3	0.32%	14	0	0	0	0	0	1	0	0	2	0	0	0
98146	2	0.22%	7	0	0	0	0	0	0	0	0	1	0	0	0



98155	4	0.43%	19	0	0	0	0	0	0	0	1	0	0	0	0
98168	1	0.11%	4	0	0	0	0	0	0	0	0	0	0	0	0
98177	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98188	1	0.11%	0	0	0	0	0	0	0	0	0	0	0	0	5
98199	2	0.22%	0	0	0	0	10	0	0	0	0	0	0	0	0
98208	5	0.54%	18	0	0	0	5	0	0	0	1	0	0	0	0
98223	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98258	2	0.22%	8	0	0	1	0	0	0	0	1	0	0	0	0
98272	5	0.54%	23	0	0	0	0	0	0	0	2	0	0	0	0
98290	1	0.11%	6	0	0	0	0	0	0	0	0	0	0	0	0
98292	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98296	5	0.54%	24	0	0	0	0	0	0	0	1	0	0	0	0
98405	1	0.11%	0	0	0	0	5	0	0	0	0	0	0	0	0